



innovative
Sensor
Technology

Moisture in oil probe



HYT271 MK33 assembly, fully calibrated, ready-to-use RH/T module in screw-in probe

HYT271 MK33 in a robust and compact screw-in stainless steel housing with a metric M14 thread. Ideal for measurements in an industrial environment. Sustains -40°C to +120°C and 0 to 100%RH (water activity aw). Digital I2C interface over 0.5m cable. Compatible with HYT Test board (USB or 0 to 10V analog outputs).

Product Name: HPM.HYT.271.M.0.SK.SA.S

Operating humidity range: 0 % RH to 100 % RH

Operating temperature range: -40 °C to +120 °C

Accuracy humidity: ± 3 % RH (0..90% RH at +23 °C)

Accuracy temperature: ±0.2 °C at 0-60°C

Digital interface: I²C, default address 0x28

Operating voltage: 2.7 V to 5.5 V

Current consumption: < 1µA in sleep mode, < 22µA at 1Hz measuring rate

Dimensions: 67 mm (L) with M14 x 1.5 thread

Connection type: 4xAWG26 cable

Wire dimensions: 500 mm

Product code: 155958

Product details

Option: High-end humidity calibration HYT modules

With the development of a high end humidity calibration and measurement set up, the HYT sensor family boasts the accuracy of up to +/- 1.4 % RH and sets new standards for moisture measurement with low hysteresis and easy plug-and-play interchangeability.

Our three HYT models can be ordered with a tailored calibration, which allows an accuracy of higher than +/- 1.4 % RH when used in combination with a limited range of 0-50 % RH. For dew point applications measuring in the range of 0-5 % RH, you can even reach an accuracy of < +/- 0.5 % RH.

[Contact our experts](#) for more information.

Quality

Consistent with the well-known, high-quality standards in Switzerland, IST AG is certified according to ISO 9001:2015 (quality) and ISO 14001:2015 (environment).

Appropriate processes are part of our daily work. They are regularly audited and extended parallel to the growth of our company.

[> Read more](#)

The online shop

Quantity (pieces)	Price (per piece)
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1-3	€ 238.88
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Stock: **3**